

## Exhibit 2

### Def Con Website: Forums Section

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**DEF CON 32**  
Aug. 8-11, 2024 at Caesars Forum  
+ Flamingo, Harrah's and Linq in Las Vegas!

**START HERE.**  
New to DEF CON?  
Find out what it's all about!

**GET EDUCATED.**  
A treasure trove of hacking knowledge  
awaits in our past media!

**GET INVOLVED.**  
Want to participate?  
There are a myriad of ways!  
DEF CON is what you make it. If you'd like to go  
more than just attend, have a look at our [Get  
Involved page](#) for ideas!  
Year round, consider joining a local [DEF CON  
Group](#), or get active on the [DEF CON Forums](#)!

Code of Conduct

**.onion Links**  
defcon.org  
media.defcon.org  
defcongroups.org

**Future Dates**  
**DEF CON 32**  
Aug. 8-11, 2024  
[Book a Room!](#)  
**DEF CON 33**  
Aug. 7-10, 2025

**Speaker's Corner**  
DEF CON CFP: Thinking Back  
and Moving Forward  
by Nikita  
[Bridging the Gap: Dispersing](#)

**Black Badge Hall of Fame updated!**  
Posted 10.10.23  
We've overhauled the Black Badge Hall of Fame page! For anyone unfamiliar, the BBHOF is our online record of everyone who's won DEF CON's ultimate prize- a limited edition badge that comes with lifetime free entry and eternal glory. If you're not on the list, maybe it's time to get a plan together.  
And while we're talking about contests, you can check the contest results for DC31 [here](#). Congratulations to the winners and respect to everyone who gets in the arena.

**DEF CON 31 Live Performances are Posted!**  
Posted 9.21.23  
Expect your productivity to take another major hit courtesy of DEF CON 31. The music from Thursday and Friday is live on the [Media Server](#)! Help yourself to selections from the amazing musicians we hosted. But that's not all - we've got video for those shows, too!

**DEF CON 31** was August 10-13, 2023 at Caesars Forum  
+ Flamingo, Harrah's and Linq in Las Vegas!  
\$440 USD Cash at the door  
[Website](#) | [Get Receipt](#) | [Theme & Style Guide](#)

**Coming Up**  
[Access the Con Calendar](#)

**DEF CON Sites**  
 Forums
 Groups
 Media Server
 InfoCon.org

**The Goods**

https://forum.defcon.org













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
| FORUMS  | LATEST ACTIVITY   | MY SUBSCRIPTIONS  |
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| Directory   | Topics  | Posts Last Post   |
| Welcome to DEF CON!   |   |   |
|  <b>Announcements, Rules, ADA, Questions</b>   |  195   | 827  by number6<br>3 days ago   |
| <b>DEF CON Conference Planning</b>  |   |   |
|  <b>DEF CON 32 Planning</b><br>DEF CON 32  |  3   | 10  Is it possible for me and my company to exhibit at D...<br>by number6<br>1 week ago |
|  <b>DEF CON 31 Planning</b><br>DEF CON 31  |  713 | 1,168  DC31 - Thanks<br>by drinkwater<br>August 25, 2023, 22:49                         |
| <b>Welcome to DEF CON Groups!</b>   |   |   |
|  <b>DEF CON Groups</b><br>DEF CON Groups are local meetings of people between interested in technology and hacking <a href="#">Listing</a> |  88  | 216  DefCon Group Liverpool, UK.<br>by phleech<br>4 weeks ago                           |


### Upcoming Events

There are no results that meet this criteria.

### Trending

 **White House Public Comment ...**  
by mattwein  
Do you have strong feelin...  
Channel: Opportunities For Policy Engagement  
1 week ago

 **OCTOBER 2023 MEET UP**  
by alethedenis  
DC209 meets in-person o...  
Channel: DC209 Modesto/Turlock, California USA  
2 days ago

 **NOVEMBER 2023 MEET UP**  
by alethedenis

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| Sub-Forums   | Topics   | Posts  | Last Post   |
|--|--|--|---|
| <b>DC31: Contests</b><br>Want to compete in a contest or run one? All contests and events will be listed here. (in person) only, (hybrid) in-person & virtual, (virt) Virtual only | 203  | 268  | Maps of the digital lands by thetoolman<br>August 23, 2023, 05:40 |
| <b>Sub-Forums:</b>   |  |  |   |
| Car Hacking Village CTF (4/4)  | DEF CON 31 Beard and Mustache Contest (1/1)                  | Blue Team Village CTF (3/5)                              |   |
| Blacks In Cyber Village CTF (3/3)  | Creative Writing Short Story Contest (7/28)                  | AutoDriving CTF contest (2/2)                            |   |
| ? Cube (4/7)   | Octopus Game (11/16)   | Phish Stories (6/6)                                      |   |
| Radio Frequency (4/4)  | CMD+CTRL Cyber Range (6/7)                                   | Darknet-NG (4/4)   |   |
| DC Kubernetes (3/3)  | DC Sticker Design Contest (1/2)                              | Pub Quiz at DEF CON (2/6)                                |   |
| Capture the Flag (CTF)   | DC's Next Top Threat Model (DCNTTM) (7/7)                    | Ham Radio Fox Hunting Contest (4/4)                      |   |
| DEF CON Scavenger Hunt (4/4)   | Dungeons@Defcon (4/5)  | Battle of the Bots (4/4)                                 |   |
| DEFCON MUD DUMB TERMINAL EDITION (5/11)  |  |  |   |
| Capture the Packet (4/4)   | HardWired (4/0)  | CrackMelfYouCan (4/7)                                    |   |
| Embedded CTF (4/4)   | Hac-Man (2/2)  | Hack-A-Sat 4 (HAS4) (4/4)                                |   |
| Hacker Jeopardy (3/6)  | HackFortress (4/4)   | Hardware Hacking Village CTF (3/3)                       |   |
| IoT Village CTF (4/4)  | It's In That Place Where I Put That Thing That Time (2/2)    | Maps of the digital lands (4/5)                          |   |
| OpenSOC Blue Team CTF CANCELED (1/1)   | pTFS Presents: Mayhem Industries – Starphish (4/4)           | Red Alert ICS CTF (4/4)                                  |   |
| Red Team CTF (4/7)   | Social Engineering Community (SEC) Vishing Competition (2/2) | Social Engineering Community (SEC) Youth Challenge (4/4) |   |
| TeleChallenge (6/8)  | The Beverage Cooling Contraption Contest (2/6)               | The Dark Tangent Look-Alike Contest (4/4)                |   |
| The Gold Bug Challenge (4/4)   | The Lonely Hard Drive (4/4)                                  | Tinfoil Hat Contest (3/3)                                |   |

- TOOOL Dozier Drill (2/3)
- venator aurum - A Treasure Hunt (4/6)
- Whose Slide Is It Anyway? (2/2)
- Lockpicking Challenge
- IntelOps - Operation Spacewatch (2/2)
- 5n4ck3y (4/4)
- Hack3r Runw@y (2/2)
- Cloud Village CTF (2/2)
- DEF CON Chess Tournament (2/4)
- Adversary Wars CTF (4/4)
- Trace Labs OSINT Search Party CTF (3/10)

## DC31: Demo Labs

Meet directly with the creator(s) of software tools or projects showing off their creations, check out their tech and ask questions

42

66



Slides  
by tomgag  
August 17, 2023, 16:19

### Sub-Forums:

- OWASP crAPI: Completely Ridiculous API - Jayesh Ahire and Roshan Piyush (1/1)

Vacuum Robot Hacking - Dennis Giese (1/2)

FlowMate - Florian Haag, Nicolas Schickert (1/1)
- Dracon - Spyros Gasteratos (1/1)

Shufflecake, AKA Truecrypt on Steroids for Linux - Tommaso Gagliardoni & Elia Anzuoni (4/4)

CNAPPGoat - Noam Dahan, Igal Gofman (1/2)
- Ek47 – Payload Encryption with Environmental Keys - Kevin Clark, Skyler Knecht (1/1)

Build Inspector - A modern Javert on the trail of CI/CD Anomalies and Intruders - Jeremy Banker (1/1)

Strix Interceptor - Lexie Thach (1/2)
- T3SF (Technical TableTop Exercises Simulation Framework) - Federico Pacheco, Joaquin Lanfranconi (1/1)

The Metasploit Framework - Spencer McIntyre (1/2)

Katalina - Gabi Cirlig (2/2)
- SucoshScanny - Mustafa Bilgici, Tibet Ögünç (1/1)

Vulnerable by Design: Unguard, The Insecure Cloud-Native Twitter Clone - Simon Ammer, Christoph Wedenig (1/2)

Glyph - Corey Hartman (1/2)
- EvilnoVNC: Next-Gen Spear Phishing Attacks - Joel Gámez Molina (1/1)

Attack Surface Framework - Prajwal Panchmahalkar & Mike Henkelman (1/1)

OpenSSF Scorecard - Naveen Srinivasan & Neil Naveen (1/1)
- Saturday - Joshua Herman (1/6)

Lambda Looter - Doug Kent & Rob Ditmer (2/2)

The Wifydra: Multiheaded RF Panopticon - Lozaning (1/1)
- USBvalve - Expose USB activity on the fly - Cesare Pizzi (1/3)

Veilid - TC Johnson & Deth Veggie (1/3)

Lupo: Malware IOC Extractor - Vishal Thakur (1/2)
- Red Wizard: user-friendly Red Teaming infrastructure - Ben Brückner (1/1)

Kraken, a modular multi-language webshell for defense evasion - Raul Caro (1/3)

Abusing Microsoft SQL Server with SQLRecon - Sanjiv Kawa (1/1)
- BBOT (Bighuge BLS OSINT Tool) - TheTechromancer (Joel Moore) & Paul Mueller (1/2)

Am I Exploitable? (MI-X) - Ofri Ouzan & Yotam Perkal (1/1)

Pcapinator: Rise of the PCAP Machines - Mike Spicer & Henry Hill (1/1)
- BLE CTF - Ryan Holeman & Alek Amrani (1/1)

RuleProcessorY & Gramify - Rule Optimization & Password Analysis tools - Niels Loozekoot (1/3)

ThreatScraper: Automated Threat Intelligence Gathering and Analysis for VirusTotal - Aaron Morath & Dr. Scott Graham (1/2)

ProjectDiscovery Nuclei (2/4)  
- Brendan O'Leary & Pj Metz

HardHat Command & Control Framework - Jonathan Owens (1/1)

ICS Forensics tool - Maayan Shaul & Ori Perez (1/1)

DC31: Paid Training

DEF CON Training: Unlike 4 hour workshops which happen during DEF CON, DEF CON Training are 2 days of training after con.  
[defcontrainings.myshopify.com](https://defcontrainings.myshopify.com)

38

39



Anthony Rose, Kevin Cl  
by Coin  
June 22, 2023, 16:57

Sub-Forums:

DC31: Paid training that were canceled (archive) (20/20)

DC31: Parties & Gatherings & Events

Looking to meet other people in a social gathering? Want to plan a get-together or party?

97

180



S.O.D.A Machine (Shell)  
by internetking  
August 12, 2023, 18:19

Sub-Forums:

- Betting on Your Digital Rights: 2nd Annual EFF Benefit Poker Tournament at DC31 Arts and Entertainment general discussion Books, Books, Books will Prevail WISP Peer-to-Peer Mentoring and Networking

(3/6)
- Panel: Ask the EFF

(1/1)
- Hacking Policy & Prompts - Happy Hour

(1/1)
- Lonely Hackers Club

(8/8)
- Blue Team Village Pool Party

(1/5)
- Village People Party

(1/2)
- S.O.D.A Machine (Shell) On Demand Appliance

(5/25)
- CycleOverride DEF CON Bike Ride

(2/9)
- Arcade Party

(1/4)
- GOTHCON 2023

(1/1)
- EFF Tech Trivia

(2/4)
- CULT OF THE DEAD COW BREAKS THE INTERNET (and you can too!)

(2/11)
- Hacker Flairgrounds

(1/1)
- DEF CON Holland Group Presents: VrijMiBo

(1/1)
- Capitol Tech University

(1/4)
- THE UNOFFICIAL DEF CON SHOOT

(6/21)
- The Book Exchange

(1/1)
- VETCON

(1/1)
- Friends of Bill

(6/6)
- Hacker Karaoke

(3/6)
- Toxic BBQ

(4/6)
- Queercon Party

(1/1)
- Queercon Mixers

(4/4)
- Ham Radio Exams

(7/7)
- BlanketFort Con

(1/1)
- DC 404/DC 678/ DC 770/ DC 470 (Atlanta Metro)

(1/1)
- University of Advancing Technology

(1/1)
- DC Kids Meetup

(2/9)
- BIC 301-303 – Blacks in Cyber Lituation Party CANCELED ~~Disin~~ Hacker Stands for Diversity

(3/3)
- WISP DEF CON Scholars Meetup

(1/1)
- Hack The Box

(2/2)

DC31: Speakers & Presentations

Want to discuss and discover DEF CON 31 speakers and their presentations?

121

141



"Calling it a 0-Day - Hac  
by TNR  
August 12, 2023, 11:40

DC31: Villages

Villages are the place to explore a topic in depth organized by communities of hackers.

146


164





Radio Frequency Village  
by lost screw  
August 12, 2023, 13:45





Sub-Forums:


-  [A.I. Village](#) (4/4)


 [DEFCON GROUPS VR \(DCGVR\)](#) (5/5)


 [Biohacking Village](#) (4/4)


 [Blacks In Cyber Village](#) (3/3)


 [Data Duplication Village](#) (5/5)


 [Hardware Hacking Village & Soldering Skills Village](#) (4/4)



 [IoT Village](#) (4/4)


 [Physical Security Village](#) (4/4)


 [Policy@DEFCON](#) (4/4)


 [Tamper Evident Village](#) (4/4)


 [Recon Village](#) (4/4)


 [Voting Village](#) (4/4)
-  [Misinformation Village](#) (4/4)


 [Blue Team Village](#) (4/6)


 [Crypto & Privacy Village](#) (4/7)


 [Carhacking Village](#) (4/4)


 [Embedded Systems Village](#) (4/4)



 [ICS Village](#) (4/4)


 [Packet Hacking Village](#) (7/7)


 [Password Village](#) (5/5)


 [Radio Frequency Village](#) (4/5)


 [SkyTalks CANCELED by organizer](#) (1/1)


 [Red Team Village](#) (4/11)
-  [XR Village](#) (4/4)


 [Aerospace Village](#) (5/5)


 [Appsec Village](#) (4/4)


 [Cloud Village](#) (4/4)


 [Ham Radio Village](#) (4/4)


 [Lockpick Village](#) (4/8)

 [Payment Village](#) (4/4)

 [Quantum Village](#) (4/4)

 [Telecom Village](#) (6/6)

 [CANCELED: Rogues Village](#) (4/4)

 [Social Engineering Community Village](#) (8/9)

DC31: Workshops

Workshops are 4 hour long mini-classes that require pre-registration - some classes have requirements for certain skills or equipment

33166



[Guillaume Ross, Austin](#)  
by [gepeto](#)  
August 12, 2023, 17:56

Workshop: Other threads, or canceled workshops

In order to have some transparency on workshops that may have been offered, but were canceled, I'll try to put canceled workshops here with "strikeout" and change to title to indicate cancellation. Also, any threads not -on-topic to specific workshops, but about workshops may be placed here.

19



[Any word on workshops](#)  
by [number6](#)  
June 30, 2023, 13:28

DC31: Rides and Roomsharing

Want to share a ride or room during a pandemic?

79



[Room Space Available](#)  
by [Mr Frosty](#)  
August 9, 2023, 05:51

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|-------------------|-----------------|------------------|--------|
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Sticky: [Helping you plan your DC31:](#) 3 by [worldwise001](#)

**scheds in HTML, PDF, Google Calendar, ical, etc: view online or download**Started by [qumqats](#), July 25, 2023, 03:53responses  
481 views  
0 likesAugust 8, 2023,  
00:22**Sticky: DC31: Unofficial comments on lines to redeem pre-reg codes, or buy badges....**Started by [number6](#), July 13, 2023, 07:392  
responses  
515 views  
0 likesby [dmr](#)  
July 31, 2023,  
16:43**Sticky: Extremely IMPORTANT notes regarding human registration:**Started by [Undertaker](#), July 28, 2023, 17:010  
responses  
379 views  
1 likeby [Undertaker](#)  
July 28, 2023,  
17:01**DC31 - Thanks**Started by [trill1990](#), August 25, 2023, 07:021 response  
72 views  
0 likesby [drinkwater](#)  
August 25, 2023,  
22:49**Thank you DEFCON 31**Started by [himple](#), August 14, 2023, 07:040  
responses  
85 views  
0 likesby [himple](#)  
August 14, 2023,  
07:04**Issue with wifi reg on Android**Started by [chazchaz101](#), August 9, 2023, 12:435  
responses  
123 views  
0 likesby [popcorn](#)  
August 10, 2023,  
11:57**Wifi Reg**Started by [Station](#), August 8, 2023, 06:322  
responses  
180 views  
0 likesby [Tangential](#)  
August 8, 2023,  
10:36**DEF CON 31 badge lanyard style / attachment point**Started by [BrownieInMotion](#), July 25, 2023, 23:540  
responses  
211 views  
0 likesby  
[BrownieInMotion](#)  
July 25, 2023, 23:54**DC31 - Badge sharing/transfer**Started by [tghosth](#), July 25, 2023, 00:164  
responses  
212 views  
0 likesby [tghosth](#)  
July 25, 2023,  
11:05**Newbie**Started by [Zzzzzz6er](#), July 11, 2023, 17:252  
responses  
200 views  
0 likesby [Zzzzzz6er](#)  
July 22, 2023,  
06:37**Vendors area missing in forums**Started by [Michels](#), July 15, 2023, 04:040  
responses  
132 views  
0 likesby [Michels](#)  
July 15, 2023,  
04:04





DEF CON 31 Badge SAO Angle  
Started by lilibyte, June 2, 2023, 10:16

2  
responses  
683 views  
0 likes



by dmr  
June 28, 2023,  
11:24



Problems with pre-registration  
Started by v4jr4w4rr10r, June 11, 2023, 08:59

0  
responses  
154 views  
0 likes



by v4jr4w4rr10r  
June 11, 2023,  
08:59

- 1
- 2
- 3
- Next

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Dark-Blue      English (US)

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